H-5
PANELS
ABCDE
1"=20 NM

H-6
PANELS
FGHIJK
1"=20 NM

UNITED STATES GOVERNMENT
FLIGHT INFORMATION PUBLICATION

IFR ENROUTE HIGH ALTITUDE - U.S.

For use at and above 18,000' MSL

HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983

L E G E N D

AIRPORTS

Airports shown have a minimum of 5000' hard surfaced runway. Facilities in BLUE or GREEN have an approved Instrument Approach Procedure and/or RADAR MINIMA published in either the FAA Terminal Procedures Publications or the DoD FLIPS. Those in BLUE have an Instrument Approach Procedure and/or RADAR MINIMA published at least in the High Altitude DoD FLIPs. Facilities in BROWN do not have a published Instrument Approach Procedure or RADAR MINIMA.

Civil
Civil-Military
Military

CITY ← Associated City
Airport Name
(APT) ← Airport Identifier

Associated city names for public airports are shown above or preceding the airport name. If airport name and city name are the same only the airport name is shown. City names for military and private airports are not shown. The airport identifier in parentheses follows the airport name.

NAVAIDS AND COMMUNICATION BOXES

NAVAIDS

VHF/UHF Data is depicted in BLACK
LF/MF Data is depicted in BROWN

COMPASS ROSES Oriented to Magnetic North of NAVAID which may not be adjusted to the charted isogonic values.

VOR VOR/DME TACAN VORTAC

LF/MF Non-directional Radiobeacon or Marine Radiobeacon

LF/MF Non-directional Radiobeacon/DME

Flight Service Station (FSS), Remote Communications Outlet (RCO) or Automated Weather Observing Station (AWOS/ASOS) not associated with a charted NAVAID or airport

COMMUNICATION BOXES

NAME
000.0 IDT 000 (Y)

VOR with TACAN compatible DME

Underline indicates No Voice transmitted on this frequency. TACAN Channels are without voice but not underlined.

Crosshatch indicates Shutdown status

(Y) TACAN must be placed in "Y" mode to receive distance information

Automated Weather Broadcast Systems.

Ⓐ ASOS/AWOS - Automated Surface Observing Station/Automated Weather Observing Station

Ⓗ HIWAS - Hazardous Inflight Weather Advisory Service

Ⓣ TWEB - Transcribed Weather Broadcast

Automated weather, when available, is broadcast on the associated NAVAID frequency.

NAME
000 IDT
LF/MF Radio Aid identification and frequency

Part-Time or On-Request
NAME
* 000 IDT 00(000.0)

LF/MF Non-directional Radiobeacon/DME
VHF Freq paired with TACAN Channel

000.0
NAME
000.0 IDT 000
N00°00.00'
W000°00.00'
[NAME] ← FSS Name

Freq(s) positioned above thin line NAVAID box is remoted to the NAVAID site

000.0 000.0
NAME
000.0 IDT (L) 00
N00°00.00'
W000°00.00'

Shadow NAVAID box indicates NAVAID and Flight Service Station (FSS) have same name

NAME IDT — FSS Name and identifier not associated with NAVAID

NAME 000.0 — Remote Communications Outlet (RCO). FSS radio name and remoted frequency(s) are shown

FSS freq(s) 122.2, 255.4 and emergency 121.5, 243.0 are available at many FSSs and are not shown. All high altitude discrete frequency(s) are shown above the box. In Canada a shadow box indicates standard group freq 243.0, 126.7 and 121.5

(L) Frequency Protection usable range at 18,000' AGL - 40NM
(T) Frequency Protection usable range at 12,000' AGL - 25NM
"L" and "T" category NAVAIDS located off Jet Routes are depicted in screen black. NAVAIDS without classification are "H" category

AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION

ROUTE DATA

VHF/UHF Data is depicted in BLACK
LF/MF Data is depicted in BROWN
RNAV Data is depicted in BLUE

J000 — Jet Route
R00 R00 — ATS Route
A00 A00 — Oceanic Route
AR0 AR0 — Atlantic Route
BR0L BR0L — Bahama Route
Substitute Route
Via/bypassing temporarily shutdown NAVAIDS. See NOTAMs or appropriate publications for specific information
Unusable Route Segment
Q00 — RNAV Route
(Not including Q routes in the Gulf of Mexico). GNSS or DME/DME/IRU RNAV required, unless otherwise indicated. Radar monitoring required. DME/DME/IRU RNAV aircraft refer to Airport/Facility Directory for DME information

J0 Q0 — Preferred Single Direction Jet Route/Q Route

000.0 IDT 000 — Facility Locators used in formation of Reporting Points

000 — Radial Outbound from a VHF/UHF NAVAID
000 — Bearing Inbound to an LF/MF NAVAID

[000] [000] Total Mileage between Compulsory Fixes and/or NAVAIDS

00 00 00 Mileage between other Fixes, NAVAIDS and/or Mileage Breakdown

00 Changeover Point Giving mileage to NAVAIDs (Not shown when less than 5NM from the midpoint in either direction)

MEA-00000 Minimum Enroute Altitude (MEA), shown when other than 18,000'

MAA-00000 Max. Authorized Altitude (MAA), shown when other than 45,000'

MEA-00000G MEA for GNSS RNAV aircraft. Shown when other than 18,000'

MEA 00000D MEA for DME/DME/IRU RNAV aircraft. Shown when other than 18,000'

MEA and/or MAA Change at other than NAVAIDS

Minimum Reception Altitude (MRA)

Minimum Crossing Altitude (MCA)

FIXES/ATC REPORTING REQUIREMENTS

▲ △ Fix Compulsory and Non-Compulsory Position Report

RNAV Waypoint Compulsory and Non Compulsory Position Report

NRS (Navigation Reference System) Waypoint

Denotes DME Fix (Distance same as route mileage)

(00) Denotes DME Fix and Mileage

Offset arrows indicate facility forming a Fix. (Away from VHF/UHF, Toward LF/MF NAVAID)

x Mileage Breakdown or Computer Navigational Fix (CNF) (no ATC functions)

BOUNDARIES

Air Route Traffic Control Center (ARTCC)
Air Defense Identification Zone (ADIZ)
Adjoining ADIZ
Flight Information Region (FIR)
Adjoining FIR
Upper Information Region (UIR)
Combined FIR and UIR
Control Area (CTA) or Upper Control Area (UTA)
International Boundary (Not shown when coincident with ARTCC or FIR)
Official Time Zone

AIRSPACE INFORMATION

Open area (white) indicates controlled airspace. (Class A)

Shaded area (brown) indicates uncontrolled airspace. (Class G)

Class A Airspace

That airspace of the United States and designated offshore airspace from 18,000' MSL to and including FL 600 excluding the portion south of Latitude 25°04'00"N

CTA/FIR NAME OCEANIC IDENT — Air Traffic Service example

Additional Control Area limit

SPECIAL USE AIRSPACE

P-56, R-123, W-1234, CYA-101, CYD-102, CYR-103

P - Prohibited Area
R - Restricted Area
W - Warning Area

In Canada:
CYA - Advisory Area
CYD - Danger Area
CYR - Restricted Area

W-101A, W-101B — Line delimits internal separation of same Special Use Area

Complete information is tabulated on front panel

MISCELLANEOUS

2005 Isogonic Line and Value shown each 4° — 4°W

ALL MILEAGES ARE NAUTICAL UNLESS OTHERWISE STATED
ALL RADIALS AND BEARINGS ARE MAGNETIC UNLESS OTHERWISE STATED
ALL ALTITUDES ARE MSL UNLESS OTHERWISE STATED
ALL TIME IS COORDINATED UNIVERSAL TIME (UTC), DAYS ARE LOCAL

North American Datum of 1983 (NAD 83), for charting purposes, is considered equivalent to World Geodetic System 1984 (WGS 84).

† During periods of Daylight Saving Time (DT), effective hours will be one hour earlier than shown. All states observe DT except Arizona.

EXAMPLE OF GROUPING

Jet Route centerline by passing a facility which is not part of that specific route

MEA is established with a gap in navigation signal coverage

Holding Pattern

Effective Times of Single Direction Routes

Holding Fixes have coordinate values shown

Magnetic Reference Bearings will not be shown on joint Jet/RNAV routes

Water Vignette

MORSE CODE

A	·–	F	··–·	K	–·–	P	·––·	U	··–	1	·––––
B	–···	G	––·	L	·–··	Q	––·–	V	···–	2	··–––
C	–·–·	H	····	M	––	R	·–·	W	·––	3	···––
D	–··	I	··	N	–·	S	···	X	–··–	4	····–
E	·	J	·–––	O	–––	T	–	Y	–·––	5	·····
								Z	––··	6	–····
										7	––···
										8	–––··
										9	––––·
										0	–––––

FOR ADDITIONAL SYMBOL INFORMATION REFER TO THE CHART USER'S GUIDE

CRUISING ALTITUDES - U.S.

IFR within controlled airspace as assigned by ATC

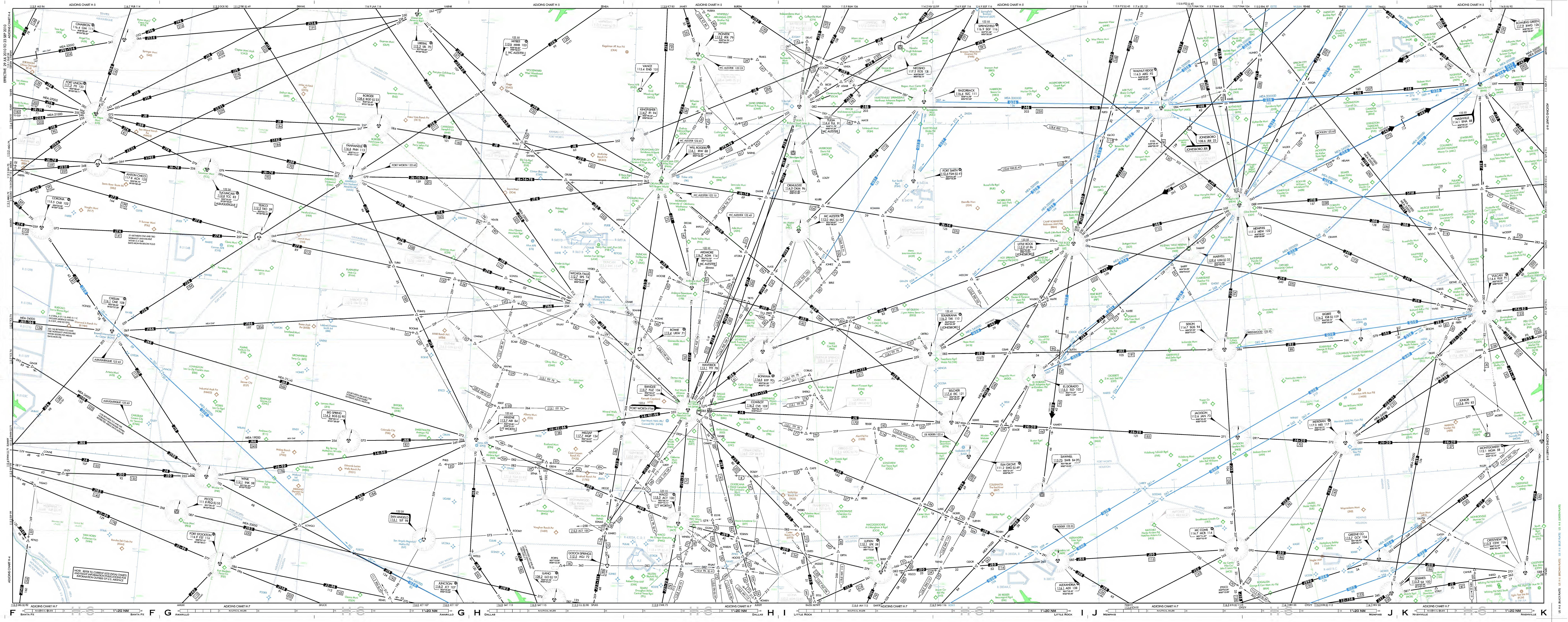
All courses are magnetic

18,000' MSL to FL280: 0°–179°M FL's 190, 210, 230, 250, 270; 180°–359°M FL's 180, 200, 220, 240, 260, 280

VFR or VFR On Top add 500'

No VFR flights within Class A Airspace above 3000' AGL unless otherwise authorized by ATC

RVSM Levels FL290 to FL410: 0°–179°M FL's 290, 310, 330, 350, 370, 390, 410; 180°–359°M FL's 300, 320, 340, 360, 380, 400

No VFR or VFR On Top authorized above FL285 in RVSM airspace

FL430 and Above: 0°–179°M FL's 450, 490, 530, 570; 180°–359°M FL's 430, 470, 510, 550, 590